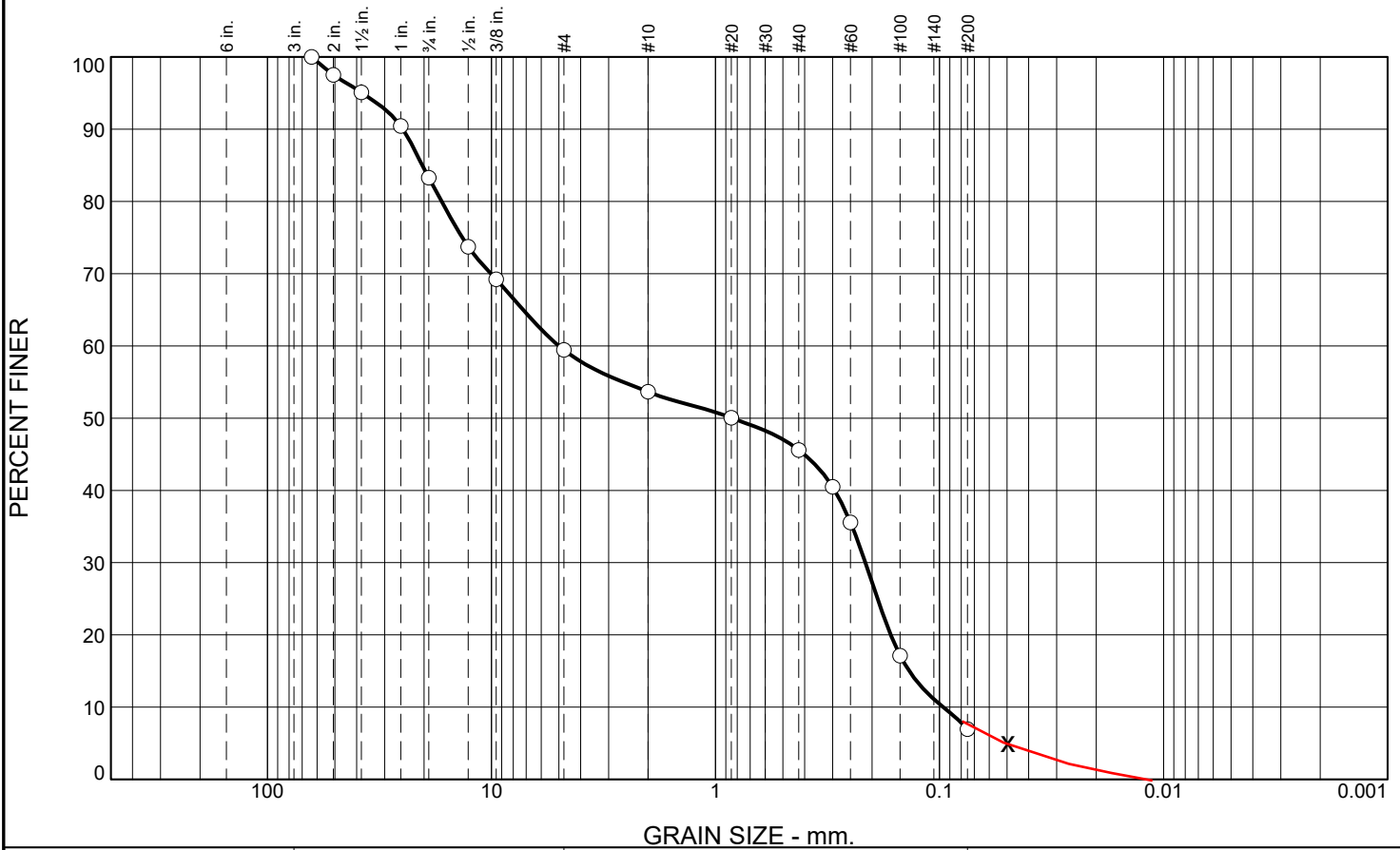


Figure 1: SOIL TEXTURAL TRIANGLE

Table Summary of soil texture analysis based on sieve analysis, 65 Farm Rd, Sherborn, MA

Soil Sample	Location	Sand, silt, and Clay composition				Soil texture per USDA
		Sand % 0.05-2 mm	Silt % 0.002-0.05mm	Clay % <0.002mm	Total %	
S1	lower edge of SAS	92.53	5.6	1.87	100	medium sand
S2	upper edge of SAS	73.66	24.56	1.78	100	medium loamy sand
SA1	Stormwater Basin A	66.1	30.5	3.4	100	medium sand loam
SB-1	Stormwater Basin B-1	97.91	2.09	0	100	fine medium sand
SB-2	Stormwater Basin B-2	75.64	22.86	1.5	100	medium loamy sand
SC	Stormwater Basin C	91.46	6.71	1.83	100	medium sand

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	16.7	23.9	5.8	8.0	38.6	7.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2-1/2"	100.0		
2"	97.5		
1.5	95.1		
1	90.4		
.75	83.3		
.5	73.7		
3/8	69.2		
#4	59.4		
#10	53.6		
#20	50.0		
#40	45.6		
#50	40.5		
#60	35.6		
#100	17.1		
#200	7.0		

* (no specification provided)

Material Description

Brown 2.5" max f/m sand and gravel trace silt
USDA Class I Loamy Sand

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D₈₅= 20.3667 D₆₀= 5.0006 D₅₀= 0.8422
D₃₀= 0.2143 D₁₅= 0.1366 D₁₀= 0.0962
C_u= 51.96 C_c= 0.10

Classification

USCS= SP-SM AASHTO= A-1-b

Remarks

Sample submitted by client on 01/03/24

Sample No.: L-33929
Location: S-1 Sample

Source of Sample: Farm Rd - Sherborn MA

Date: 1/9/24
Elev./Depth: submitted

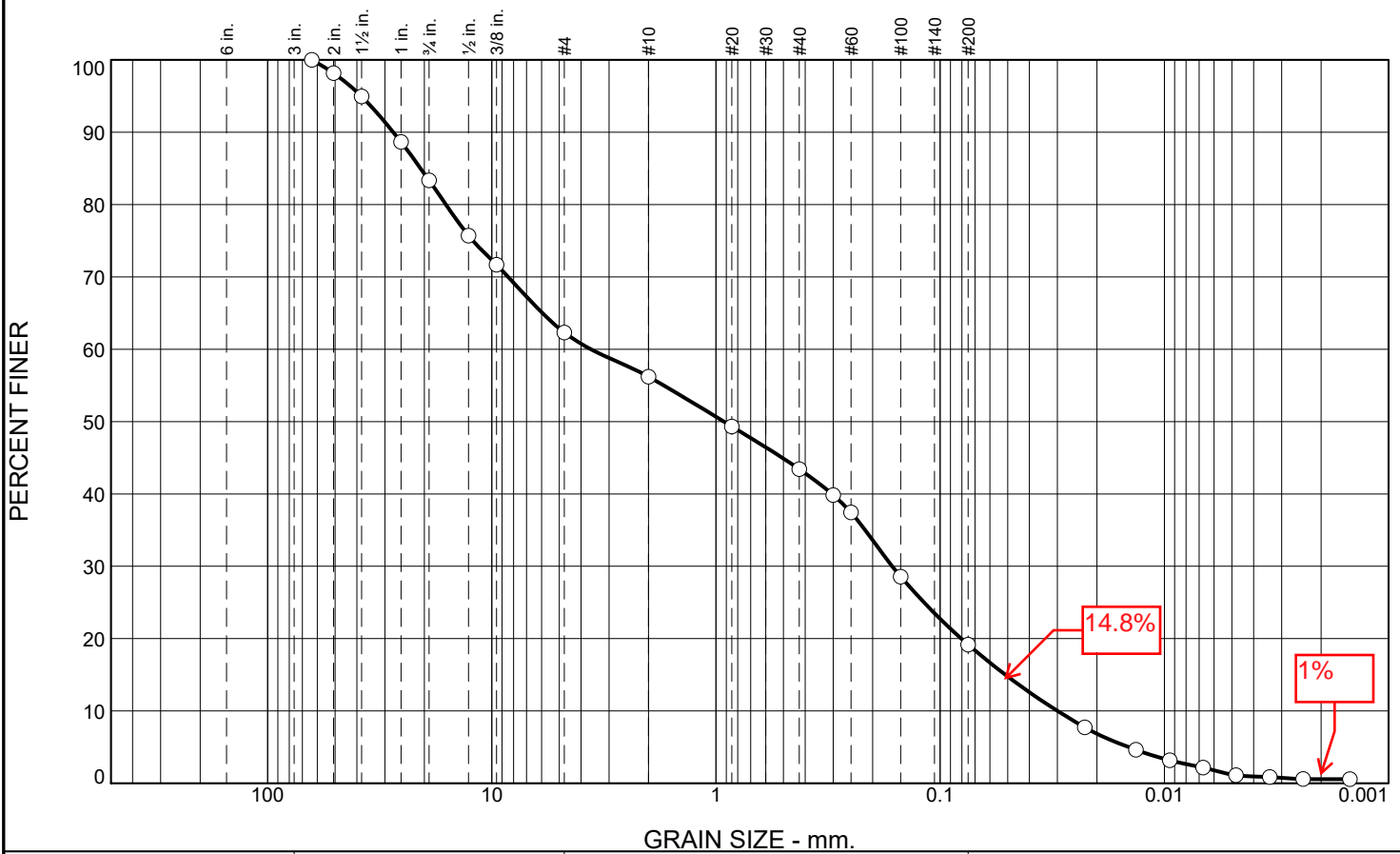
**YANKEE ENGINEERING
& TESTING, INC.**

Client: Creative Land & Water Eng., LLC
Project: Creative Land & Water Eng., LLC
Various Sites/Projects
Project No: 15027

Tested By: AK

Checked By: SMM

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	16.6	21.1	6.1	12.8	24.2	18.0	1.2

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2.5"	100.0		
2"	98.2		
1.5	95.0		
1	88.7		
.75	83.4		
.5	75.7		
3/8	71.7		
#4	62.3		
#10	56.2		
#20	49.3		
#40	43.4		
#50	39.8		
#60	37.4		
#100	28.6		
#200	19.2		

* (no specification provided)

Material Description

Brown 2.5" max silty sand and gravel
USDA Class I Loamy Sand

Atterberg Limits

PL= NP

LL= NV

PI= NP

Coefficients

D₈₅= 20.7906

D₆₀= 3.6143

D₅₀= 0.9228

D₃₀= 0.1638

D₁₅= 0.0511

D₁₀= 0.0300

C_u= 120.63

C_c= 0.25

Classification

USCS= SM

AASHTO= A-1-b

Remarks

Sample submitted by client on 01/03/24

Sample No.: L-33931
Location: S-2 Sample

Source of Sample: Farm Rd - Sherborn MA

Date: 1/9/24
Elev./Depth: submitted

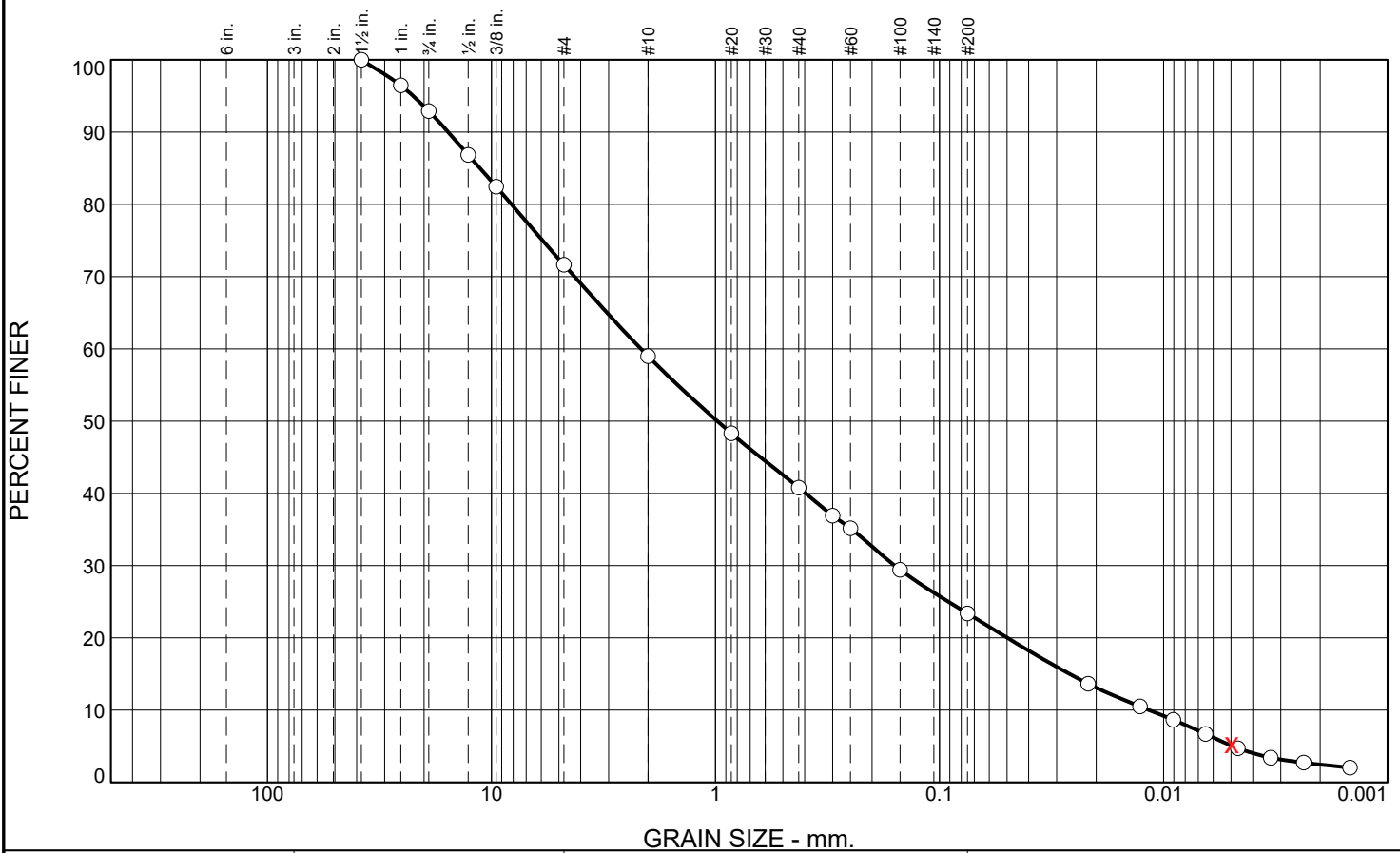
**YANKEE ENGINEERING
& TESTING, INC.**

Client: Creative Land & Water Eng., LLC
Project: Creative Land & Water Eng., LLC
Various Sites/Projects
Project No: 15027

Tested By: AK / AH

Checked By: SMM

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	7.1	21.3	12.6	18.2	17.4	18.3	5.1

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.5	100.0		
1	96.5		
.75	92.9		
.5	86.8		
3/8	82.4		
#4	71.6		
#10	59.0		
#20	48.3		
#40	40.8		
#50	36.9		
#60	35.2		
#100	29.4		
#200	23.4		

* (no specification provided)

Material Description

Light brown 1.5" max silty sand some gravel
USDA Class II Sandy Loam

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D₈₅= 11.2532 D₆₀= 2.1529 D₅₀= 0.9818
D₃₀= 0.1587 D₁₅= 0.0263 D₁₀= 0.0116
C_u= 185.43 C_c= 1.01

Classification

USCS= SM AASHTO= A-1-b

Remarks

Sample submitted by client on 01/03/24

Sample No.: L-33926
Location: SA-1 Sample

Source of Sample: Farm Rd - Sherborn MA

Date: 1/9/24
Elev./Depth: submitted

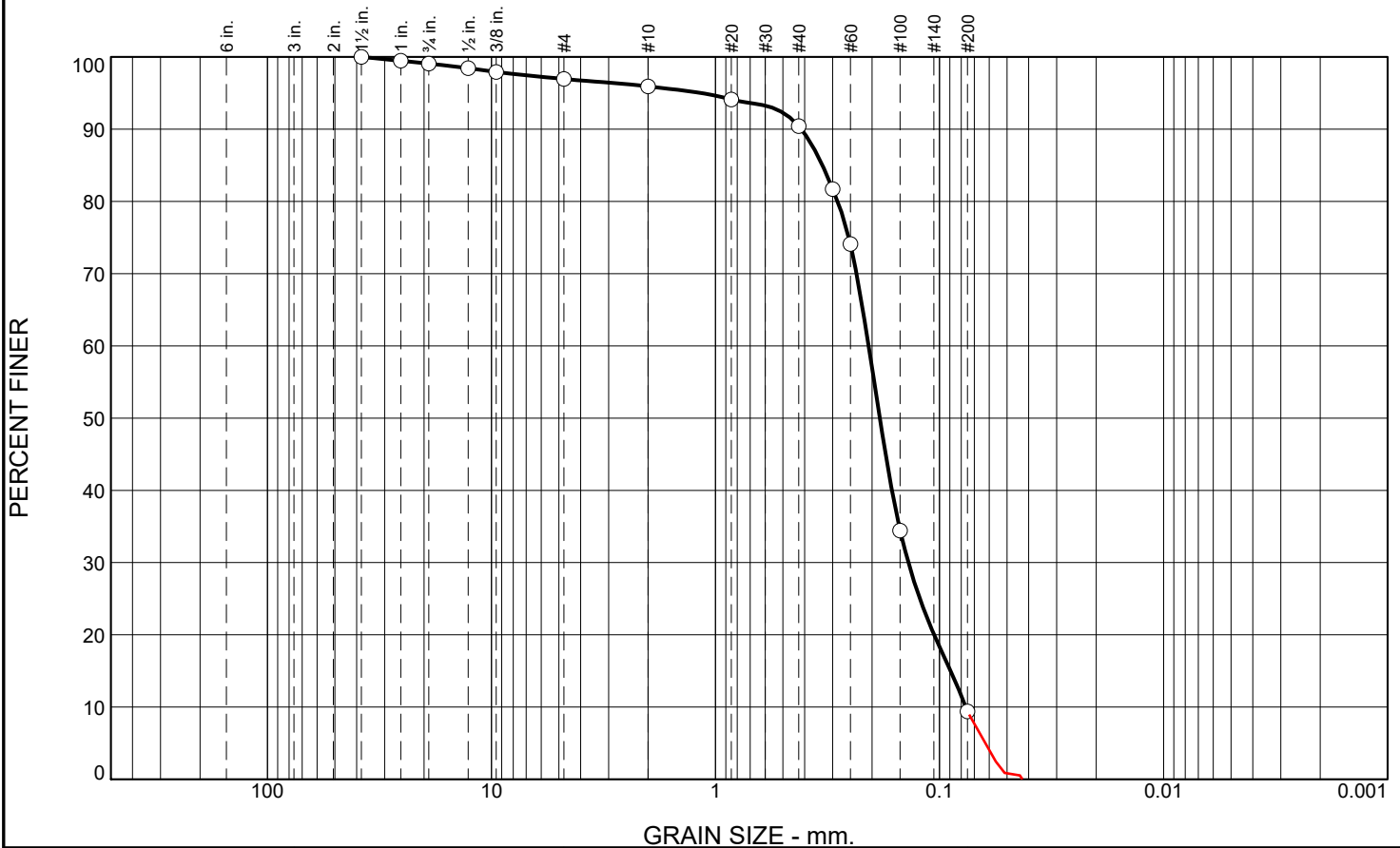
**YANKEE ENGINEERING
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Client: Creative Land & Water Eng., LLC
Project: Creative Land & Water Eng., LLC
Various Sites/Projects
Project No: 15027

Tested By: AK / AH

Checked By: SMM

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.9	2.2	1.0	5.5	81.0	9.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.5	100.0		
1	99.5		
.75	99.1		
.5	98.5		
3/8	97.9		
#4	96.9		
#10	95.9		
#20	94.1		
#40	90.4		
#50	81.7		
#60	74.1		
#100	34.4		
#200	9.4		

* (no specification provided)

Material Description

Brown fine sand trace silt trace gravel
USDA Class I Loamy Sand

Atterberg Limits

PL= NP

LL= NV

PI= NP

Coefficients

D₈₅= 0.3335

D₆₀= 0.2073

D₅₀= 0.1847

D₃₀= 0.1378

D₁₅= 0.0893

D₁₀= 0.0763

C_u= 2.72

C_c= 1.20

Classification

USCS= SP-SM

AASHTO= A-3

Remarks

Sample submitted by client on 01/03/24

Sample No.: L-33928
Location: SB-1 Sample

Source of Sample: Farm Rd - Sherborn MA

Date: 1/9/24
Elev./Depth: submitted

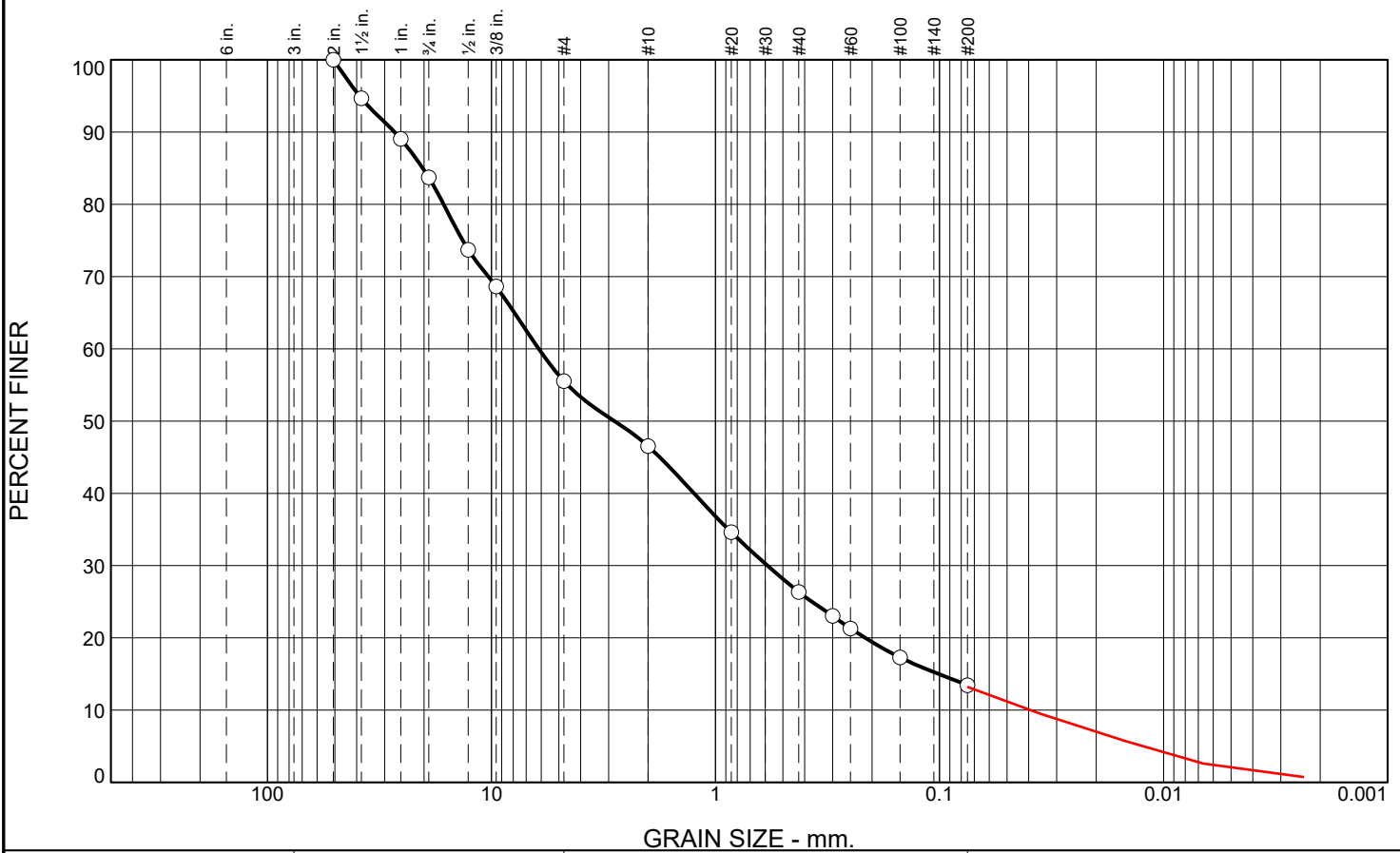
**YANKEE ENGINEERING
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Client: Creative Land & Water Eng., LLC
Project: Creative Land & Water Eng., LLC
Various Sites/Projects
Project No: 15027

Tested By: AK

Checked By: SMM

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	16.3	28.2	9.0	20.1	13.0	13.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2"	100.0		
1.5	94.7		
1	89.0		
.75	83.7		
.5	73.7		
3/8	68.6		
#4	55.5		
#10	46.5		
#20	34.6		
#40	26.4		
#50	23.0		
#60	21.3		
#100	17.3		
#200	13.4		

* (no specification provided)

Material Description

Brown 2" max silty gravel and sand
USDA Class I Loamy Sand

Atterberg Limits

PL= NP

LL= NV

PI= NP

Coefficients

D₈₅= 20.2613

D₆₀= 6.1500

D₅₀= 2.8246

D₃₀= 0.5866

D₁₅= 0.1008

D₁₀=

C_u=

C_c=

Classification

USCS= GM

AASHTO= A-1-a

Remarks

Sample submitted by client on 01/03/24

Sample No.: L-33930

Source of Sample: Farm Rd - Sherborn MA

Date: 1/9/24

Location: SB-2 Sample

Elev./Depth: submitted

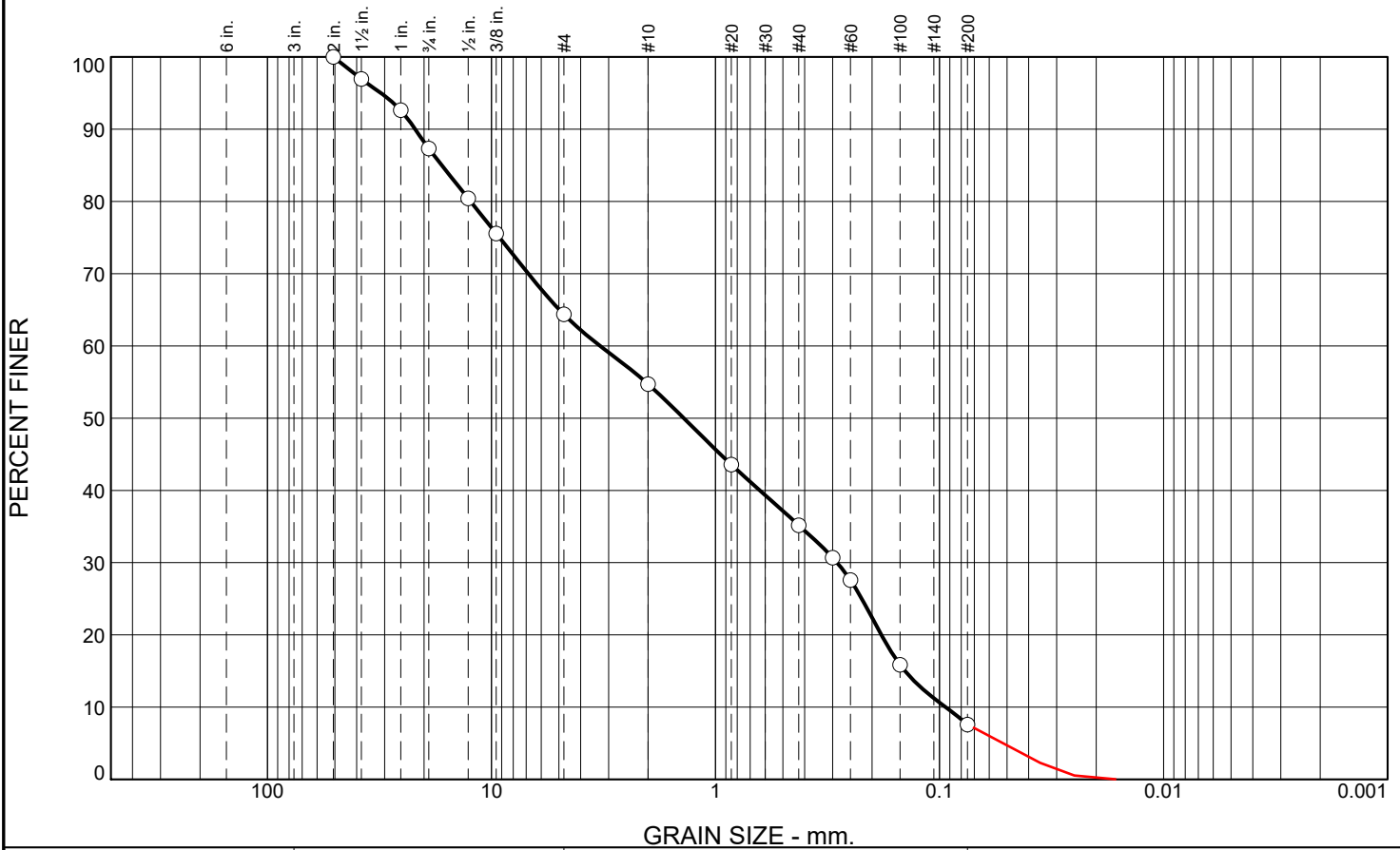
**YANKEE ENGINEERING
& TESTING, INC.**

Client: Creative Land & Water Eng., LLC
Project: Creative Land & Water Eng., LLC
Various Sites/Projects
Project No: 15027

Tested By: AK

Checked By: SMM

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	12.7	22.9	9.7	19.5	27.6	7.6	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2	100.0		
1.5	96.9		
1	92.6		
.75	87.3		
.5	80.4		
3/8	75.6		
#4	64.4		
#10	54.7		
#20	43.6		
#40	35.2		
#50	30.7		
#60	27.6		
#100	15.8		
#200	7.6		

* (no specification provided)

Material Description

Brown 2" max f/m sand and gravel trace silt
USDA Class I Loamy Sand

Atterberg Limits

PL= NP

LL= NV

PI= NP

Coefficients

D₈₅= 16.6628

D₆₀= 3.2736

D₅₀= 1.3851

D₃₀= 0.2868

D₁₅= 0.1425

D₁₀= 0.0940

C_u= 34.84

C_c= 0.27

Classification

USCS= SP-SM

AASHTO= A-1-b

Remarks

Sample submitted by client on 01/03/24

Sample No.: L-33927
Location: SC Sample

Source of Sample: Farm Rd - Sherborn MA

Date: 1/9/24
Elev./Depth: submitted

**YANKEE ENGINEERING
& TESTING, INC.**

Client: Creative Land & Water Eng., LLC
Project: Creative Land & Water Eng., LLC
Various Sites/Projects
Project No: 15027

Tested By: AK

Checked By: SMM